

Table S7. Employed doctoral scientists and engineers by occupation, sex, and race/ethnicity: 1993, 1995, and 1997

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Occupation and year	Total	Male					Female					
			Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native		Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	
		Number	Percent						Percent			
<b>Total</b>												
1993.....	462,870	100.0	67.1	9.4	1.4	1.5	0.3	17.2	1.7	0.7	0.5	0.1
1995.....	484,780	100.0	64.8	10.0	1.4	1.7	0.3	18.2	2.1	0.7	0.6	0.1
1997.....	518,440	100.0	62.8	10.9	1.5	1.6	0.3	19.1	2.4	0.8	0.7	0.1
<b>Scientists</b>												
1993.....	267,070	100.0	66.3	7.4	1.3	1.6	0.3	19.6	2.0	0.7	0.6	0.1
1995.....	284,840	100.0	64.2	7.9	1.4	1.7	0.3	20.5	2.5	0.7	0.7	0.1
1997.....	319,130	100.0	62.0	8.9	1.4	1.7	0.3	21.1	2.9	0.8	0.8	0.1
<b>Computer/mathematical scientists</b>												
1993.....	34,440	100.0	70.1	14.1	1.2	2.2	0.3	9.2	2.4	0.3	0.3	S
1995.....	37,440	100.0	66.8	16.6	1.2	2.4	0.3	9.2	2.9	0.2	0.4	S
1997.....	45,350	100.0	62.6	19.4	1.4	1.9	0.2	10.5	3.3	0.3	0.4	S
Computer/information scientists												
1993.....	11,820	100.0	68.4	17.7	0.8	1.8	S	8.5	2.0	S	S	S
1995.....	14,170	100.0	65.3	21.7	0.6	2.0	S	6.8	3.0	S	S	S
1997.....	20,820	100.0	60.3	25.3	0.9	1.7	0.4	7.9	3.3	S	0.2	S
Mathematical scientists												
1993.....	5,140	100.0	70.0	13.2	1.0	1.4	S	10.1	3.5	S	S	S
1995.....	6,050	100.0	61.2	17.5	1.5	1.8	S	13.7	3.0	S	S	S
1997.....	5,920	100.0	61.8	12.8	2.0	1.9	S	16.2	4.2	S	S	S
Postsecondary teachers, computer & mathematical sciences												
1993.....	17,490	100.0	71.1	12.0	1.6	2.7	0.3	9.3	2.3	S	0.3	S
1995.....	17,230	100.0	70.0	12.2	1.6	2.8	0.3	9.5	2.8	S	0.4	S
1997.....	18,610	100.0	65.5	14.9	1.9	2.1	S	11.6	3.0	0.4	0.5	S
<b>Life and related scientists</b>												
1993.....	80,970	100.0	66.1	7.5	0.9	1.3	0.2	20.0	2.9	0.5	0.5	0.1
1995.....	85,990	100.0	63.8	7.9	1.1	1.4	0.2	20.6	3.7	0.5	0.6	0.1
1997.....	97,550	100.0	61.9	8.7	1.1	1.3	0.2	21.0	4.5	0.5	0.7	0.1
Agricultural/food scientists												
1993.....	7,500	100.0	76.1	7.7	S	1.9	S	11.9	1.1	S	S	S
1995.....	7,730	100.0	76.1	7.6	0.9	2.3	S	10.6	1.6	S	0.8	S
1997.....	9,170	100.0	73.4	8.9	0.9	1.5	S	12.2	2.1	S	0.7	S
Biological scientists												
1993.....	43,430	100.0	60.0	9.1	0.8	1.5	0.2	22.8	4.4	0.5	0.6	S
1995.....	47,650	100.0	57.4	10.3	0.9	1.4	0.3	22.9	5.6	0.4	0.7	0.1
1997.....	55,590	100.0	55.9	10.6	0.9	1.4	0.2	22.8	6.8	0.5	0.7	0.2

See explanatory information and SOURCE at the end of table.

Table S7. Employed doctoral scientists and engineers by occupation, sex, and race/ethnicity: 1993, 1995, and 1997

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Occupation and year	Total	Male					Female				
		White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native
		Number	Percent						Percent		
Forestry & conservation scientists											
1993.....	820	100.0	82.9	S	S	S	12.2	S	S	S	S
1995.....	850	100.0	82.4	S	S	S	12.9	S	S	S	S
1997.....	1,230	100.0	77.2	4.9	S	S	12.2	S	S	S	S
Postsecondary teachers, life & related sciences											
1993.....	29,220	100.0	72.1	5.0	1.3	1.0	S	18.2	1.2	0.5	0.5
1995.....	29,760	100.0	70.5	4.3	1.5	1.2	S	19.7	1.4	0.8	0.5
1997.....	31,550	100.0	68.5	5.3	1.6	1.1	S	20.6	1.4	0.7	0.7
Physical and related scientists											
1993.....	63,660	100.0	75.7	10.6	1.2	1.8	0.3	8.0	2.0	0.1	0.4
1995.....	65,900	100.0	74.4	10.4	1.3	1.9	0.2	9.0	2.2	0.1	0.4
1997.....	72,240	100.0	72.5	11.2	1.4	2.0	0.2	9.4	2.6	0.2	0.4
Chemists except biochemists											
1993.....	21,220	100.0	70.2	13.6	1.4	1.6	S	9.3	3.3	S	0.3
1995.....	21,270	100.0	68.0	14.0	1.9	2.2	S	9.8	3.7	S	S
1997.....	24,560	100.0	64.5	16.8	2.0	1.7	S	10.0	4.4	0.2	0.4
Earth/atmos/ocean scientists											
1993.....	7,610	100.0	81.3	6.4	S	2.1	S	8.9	0.9	S	S
1995.....	8,590	100.0	79.6	7.3	S	1.5	S	10.0	0.6	S	S
1997.....	8,830	100.0	77.0	9.1	0.9	2.6	0.6	8.2	1.4	S	S
Physicists & astronomers											
1993.....	12,610	100.0	78.7	12.8	0.9	1.7	S	4.1	1.7	S	S
1995.....	12,080	100.0	78.8	12.8	0.5	1.4	S	4.2	2.2	S	S
1997.....	13,280	100.0	79.4	11.7	0.7	1.4	S	4.5	2.3	S	S
Other physical scientists											
1993.....	1,470	100.0	68.7	21.8	S	S	S	5.4	S	S	S
1995.....	1,760	100.0	74.4	9.7	S	S	S	9.1	4.0	S	S
1997.....	1,280	100.0	76.6	8.6	S	S	S	9.4	S	S	S
Postsecondary teachers, physical & related sciences											
1993.....	20,760	100.0	78.1	6.8	1.6	2.0	0.5	8.8	1.3	0.3	0.6
1995.....	22,190	100.0	76.3	6.8	1.7	2.1	0.4	10.6	1.4	S	0.6
1997.....	24,290	100.0	75.1	6.2	1.5	2.3	0.5	11.9	1.5	0.3	0.6
Social scientists											
1993.....	37,170	100.0	65.0	5.1	3.0	2.0	0.8	20.9	1.3	1.1	0.8
1995.....	40,050	100.0	63.3	5.7	2.5	1.9	0.6	21.9	1.7	1.2	0.9
1997.....	43,370	100.0	61.3	6.1	2.7	2.1	0.5	23.1	1.9	1.2	0.9

See explanatory information and SOURCE at the end of table.

**Table S7. Employed doctoral scientists and engineers by occupation, sex, and race/ethnicity: 1993, 1995, and 1997**

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Occupation and year	Total	Male					Female				
		White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native
		Number	Percent				Percent				
Economists											
1993.....	5,360	100.0	66.0	8.4	2.2	2.6	S	17.0	2.4	S	S
1995.....	5,800	100.0	64.0	9.5	1.2	2.1	S	16.7	4.5	S	S
1997.....	6,640	100.0	62.3	11.0	S	2.6	S	19.0	3.3	S	S
Political/related scientists											
1993.....	820	100.0	70.7	S	S	S	S	25.6	S	S	S
1995.....	1,110	100.0	58.6	7.2	S	9.0	S	19.8	S	S	S
1997.....	870	100.0	70.1	6.9	S	S	S	14.9	S	S	S
Sociologists/anthropologists											
1993.....	2,470	100.0	52.6	S	S	2.4	S	36.0	2.0	S	S
1995.....	2,600	100.0	58.5	S	S	S	S	36.5	S	S	S
1997.....	3,310	100.0	45.0	2.4	S	S	S	44.7	S	2.7	S
S&T historians & other social scientists											
1993.....	1,730	100.0	56.1	S	S	S	S	36.4	S	S	S
1995.....	2,130	100.0	48.8	5.2	S	S	S	37.1	3.3	S	2.8
1997.....	1,840	100.0	46.7	3.3	S	S	S	41.8	4.9	S	S
Postsecondary teachers, social & related sciences											
1993.....	26,790	100.0	66.3	5.1	3.5	1.9	1.0	19.1	1.0	1.2	0.8
1995.....	28,420	100.0	64.8	5.4	3.0	1.9	0.7	20.6	1.1	1.4	0.9
1997.....	30,710	100.0	63.5	5.7	3.4	2.2	0.6	20.7	1.5	1.3	1.0
Psychologists											
1993.....	50,830	100.0	53.5	0.7	1.0	1.2	0.3	39.5	0.9	1.6	1.0
1995.....	55,460	100.0	51.4	0.8	1.1	1.4	0.4	40.6	1.0	1.7	1.2
1997.....	60,630	100.0	49.9	0.7	1.0	1.3	0.3	41.9	1.2	2.0	1.5
Psychologists											
1993.....	37,370	100.0	52.1	0.5	0.9	1.3	0.2	41.3	0.8	1.4	1.1
1995.....	41,010	100.0	49.7	0.7	1.1	1.4	0.4	42.5	1.0	1.8	1.1
1997.....	45,120	100.0	47.3	0.6	0.9	1.2	0.3	44.8	1.2	2.0	1.3
Postsecondary teachers, psychology											
1993.....	13,470	100.0	57.3	1.3	1.2	1.1	0.4	34.6	1.2	1.9	0.8
1995.....	14,450	100.0	56.3	1.3	1.2	1.5	0.5	35.4	0.8	1.4	1.7
1997.....	15,510	100.0	57.3	1.2	1.0	1.4	S	33.7	1.2	2.1	1.8

See explanatory information and SOURCE at the end of table.

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Occupation and year	Total	Male					Female				
		White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native
		Number	Percent				Percent				
<b>Engineers</b>											
1993.....	55,550	100.0	66.5	25.1	1.1	1.6	0.2	3.7	1.5	0.1	0.2
1995.....	58,430	100.0	65.1	25.6	1.2	2.2	0.2	3.8	1.5	0.2	0.2
1997.....	69,740	100.0	64.1	26.0	1.2	1.8	0.2	4.7	1.6	0.1	0.2
Aerospace/aeronautical engineers											
1993.....	3,150	100.0	66.0	29.5	S	S	S	S	S	S	S
1995.....	3,630	100.0	70.0	23.4	S	1.7	S	2.8	S	S	S
1997.....	3,990	100.0	72.9	18.5	S	S	S	5.0	S	S	S
Chemical engineers											
1993.....	5,610	100.0	64.7	26.6	1.2	1.8	S	3.7	1.4	S	S
1995.....	5,640	100.0	75.2	32.1	S	2.0	S	6.0	3.0	S	S
1997.....	6,730	100.0	52.3	22.4	1.0	2.1	S	3.4	1.9	S	S
Civil engineers											
1993.....	2,460	100.0	57.7	35.4	S	2.0	S	2.4	S	S	S
1995.....	2,790	100.0	52.7	38.7	S	3.6	S	2.5	S	S	S
1997.....	3,350	100.0	52.2	36.1	2.1	2.7	S	4.8	2.1	S	S
Electrical/related engineers											
1993.....	9,270	100.0	61.5	31.8	0.8	1.2	0.5	1.6	2.4	S	S
1995.....	10,660	100.0	64.1	29.4	0.8	1.7	S	1.4	1.9	S	S
1997.....	13,500	100.0	62.1	30.1	1.0	1.6	S	2.4	2.4	S	S
Industrial engineers											
1993.....	350	100.0	54.3	31.4	S	S	S	S	S	S	S
1995.....	840	100.0	61.9	25.0	S	S	S	7.1	S	S	S
1997.....	1,220	100.0	52.5	26.2	S	S	S	13.1	S	S	S
Mechanical engineers											
1993.....	5,090	100.0	58.5	36.9	S	1.6	S	1.2	1.2	S	S
1995.....	5,770	100.0	57.9	35.9	0.9	1.9	S	1.2	1.7	S	S
1997.....	7,820	100.0	59.1	35.8	1.2	1.0	S	1.0	1.7	S	S
Other engineers											
1993.....	13,960	100.0	67.3	21.6	0.7	1.2	S	6.4	2.4	S	S
1995.....	13,590	100.0	65.5	23.9	1.0	1.9	S	5.7	1.8	S	S
1997.....	16,000	100.0	62.7	26.2	0.7	1.5	S	6.8	1.6	S	S
Postsecondary teachers, engineering											
1993.....	15,660	100.0	73.6	17.1	1.9	2.3	S	3.8	0.4	S	S
1995.....	15,530	100.0	70.4	18.4	1.9	2.6	0.4	5.0	0.6	S	0.3
1997.....	17,140	100.0	70.7	17.6	2.2	2.7	S	5.5	0.6	S	0.4

See explanatory information and SOURCE at the end of table.

**Table S7. Employed doctoral scientists and engineers by occupation, sex, and race/ethnicity: 1993, 1995, and 1997**

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Occupation and year	Total	Male					Female				
		White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native
		Number	Percent	Percent							
<b>Non-S&amp;E occupations</b>											
1993.....	140,240	100.0	68.8	7.0	1.7	1.4	0.2	18.1	1.3	0.9	0.5
1995.....	141,520	100.0	66.0	7.8	1.7	1.5	0.2	19.6	1.6	1.0	0.5
1997.....	129,570	100.0	63.8	7.5	1.8	1.4	0.3	21.7	1.6	1.2	0.6
Managers, administrators, etc.											
1993.....	90,400	100.0	73.9	6.9	1.8	1.4	0.3	13.6	0.9	0.8	0.3
1995.....	83,820	100.0	71.3	7.9	1.8	1.6	0.2	14.9	1.1	0.8	0.4
1997.....	71,010	100.0	70.7	7.6	2.0	1.7	0.3	15.5	0.9	0.9	0.4
Health and related occupations											
1993.....	12,570	100.0	57.3	8.0	1.5	1.5	S	27.5	2.5	0.8	0.5
1995.....	13,450	100.0	59.3	9.6	1.1	1.0	S	24.2	2.8	1.1	0.6
1997.....	14,440	100.0	56.5	9.1	1.6	1.2	S	25.7	3.3	1.5	0.9
Teachers, except S&E postsecondary teachers											
1993.....	16,660	100.0	50.6	5.2	1.2	1.3	S	36.0	2.1	2.1	1.4
1995.....	19,760	100.0	49.0	4.6	1.7	0.8	S	37.4	2.4	2.4	1.2
1997.....	20,780	100.0	44.5	5.0	1.8	1.2	0.4	40.8	2.7	2.1	1.4
Social services and related occupations											
1993.....	1,670	100.0	58.7	3.6	4.8	S	S	30.5	S	S	S
1995.....	1,770	100.0	59.3	4.5	2.8	S	S	27.7	S	S	S
1997.....	2,020	100.0	54.0	3.5	3.5	S	S	33.7	S	S	S
Technologists, etc.											
1993.....	4,740	100.0	70.5	17.3	S	1.3	S	7.8	2.3	S	S
1995.....	5,310	100.0	66.5	19.0	0.9	1.1	S	9.4	2.1	S	S
1997.....	4,570	100.0	72.4	17.3	1.5	S	S	5.9	2.2	S	S
Sales and marketing occupations											
1993.....	4,490	100.0	69.7	10.5	2.0	S	S	14.3	1.8	S	S
1995.....	4,870	100.0	71.0	10.5	S	2.3	S	12.5	1.2	S	1.0
1997.....	5,230	100.0	69.0	13.0	S	1.1	S	13.4	1.1	S	1.1
Other non-S&E occupations											
1993.....	9,720	100.0	68.5	4.0	1.4	1.2	S	22.0	1.7	0.7	S
1995.....	12,560	100.0	63.2	5.1	1.7	2.0	0.6	24.6	1.8	0.8	S
1997.....	11,530	100.0	61.7	4.0	1.0	1.2	S	28.3	2.1	1.3	S

**NOTE:** Numbers are rounded to nearest ten.

Details may not add to total because of rounding.

'Other' race included with 'white'.

1993 and 1995 figures may not match previously published figures.

**KEY:** S=Suppressed due to too few cases (fewer than 50 weighted cases).

**SOURCE:** National Science Foundation/Division of Science Resources Studies, Survey of Doctorate Recipients.